

IN THE SPECIFICATION:

Please replace paragraph number [0001] with the following rewritten paragraph:

--[0001] This application claims the benefit under 35 U.S.C. §119(e) of Provisional Applications No. 60/222,276, filed July 31, 2000, 60/258,486, filed December 27, 2000, and 60/261,334, filed January 12, 2001, and ~~to the co-pending provisional application titled "Poly(aniline boronic acid): A New Precursor to Substituted Poly(aniline)s", Serial No. _____, 60/308,723~~ filed on July 30, 2001 ~~and naming Eiichi Shoji and Michael S. Freund as inventors~~, each of which is incorporated by reference herein.-

Please replace paragraph number [0019] with the following rewritten paragraph:

--[0019] In other embodiments, the reactive substituents may undergo irreversible reactions with the target analyte or analytes. For example, boronic acid substituents may undergo facile ipso-substitution reactions under mild conditions with a variety of compounds such as halogens, nitrates, thiols and the like, as described in the co-pending provisional application ~~titled "Poly(aniline boronic acid): A New Precursor to Substituted Poly(aniline)s", Serial No. _____, 60/308,723,~~ filed on July 30, 2001 and naming Eiichi Shoji and Michael S. Freund as inventors, which is incorporated by reference herein, resulting in replacement of the boronic acid substituent with a substituent derived from the analyte. Such irreversible

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reactions can form the basis of sensor systems for detecting the presence of target analytes, as will be described in more detail below.